

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| S1 | 34 | US-4618812-\$ DID. OR US-5350997-\$ DID. OR US-5359276-\$ DID. OR US-5552694-\$ DID. OR US-5736842-\$ DID. OR US-5798635-\$ DID. OR US-5889392-\$ DID. OR US-6204650-\$ DID. OR US-6285571-\$ DID. OR US-6292378-\$ DID. OR US-6348779-\$ DID. OR US-6356063-\$ DID. OR US-6359796-\$ DID. OR US-6429632-\$ DID. OR US-6430070-\$ DID. OR US-6459602-\$ DID. OR US-6605931-\$ DID. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 11:51 |
| S4 | 6 | ("20010033503") or ("20020080631") or ("20020051373") or ("20020126512") or ("20020145891") or ("20020154524").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/12/20 16:42 |
| S6 | 220 | hysteretic ADJ (control\$4 OR controll\$4 OR converter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 11:45 |
| S7 | 165 | S6 AND feedback | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 07:38 |
| S8 | 165 | S6 AND (fedback OR feedback OR feedforward) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/22 15:35 |
| S9 | 140 | S8 AND mode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 07:43 |

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|-----|----|--|---|----|-----|------------------|
| S11 | 67 | hysteretic ADJ mode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 07:43 |
| S12 | 34 | S11 AND S8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 07:44 |
| S13 | 1 | ("4,456,872").PN. | USPAT; USOCR | OR | OFF | 2005/12/21 08:49 |
| S14 | 1 | ("6628106").PN. | USPAT; USOCR | OR | OFF | 2005/12/21 08:51 |
| S15 | 16 | ("5548206" "5612610" "5617016" "5627460" "5731731" "5870296" "5912552" "5994885" "6127815" "6239509" "6239585" "6246220" "6300810" "6304066" "6433525").PN. OR ("6621256"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/21 09:06 |
| S16 | 73 | hysteretic AND (boost ADJ converter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 09:26 |
| S17 | 54 | S16 AND (feedback OR feedback OR feedforward) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 09:27 |

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|-----|-----|---|------------------------------|----|----|------------------|
| S18 | 201 | ("3458798" "3579091" "3581186" "3582758" "3624405" "3699424" "3733540" "3737755" "3781505" "3816809" "3820005" "3863128" "3978393" "3989995" "4013939" "4035710" "4071884" "4107596" "4129788" "4160288" "4161023" "4200830" "4244050" "4288831" "4301398" "4302805" "4315304" "4323840" "4326245" "4395675" "4413224" "4428015" "4438485" "4462069" "4478174" "4488057" "4493017" "4519024" "4538101" "4541041" "4549254" "4578630" "4585986" "4586119" "4610521" "4631652" "4634956" "4639845" "4649464" "4672303" "4706177" "4709234" "4709315" "4709320" "4713740" "4716514" "4727308" "4734771" "4745535" "4754385" "4761722" "4775821" "4779027" "4801859" "4808946" "4809150" "4813066" "4819122" "4823070" "4825028" "4825144" "4843532" "4866587" "4870555" "4873408" "4884183" "4902957" "4906901" "4922404" "4928200" "4929882" "4931716" "4996638" "5028861" "5034871" "5066900" "5068575" "5072171" "5081411" "5097196" "5099407" "5128603" "5130561" "5134355" "5138249" "5142217" "5144547" "5170333" "5177676" "5182810" "5184129" "5187425" "5193211" "5229649" "5237606" "5260861" "5272382" "5309078" "5333176" "5349282" "5355077" "5365118" "5367247" "5371666" "5376830" "5382893" "5396412" "5402200" "5404094" "5408150" "5414341" "5430641" "5461301" "5465926" "5481178").PN. OR ("5490055" "5498995" "5521768" "5532524" "5534771" "5539630" "5552695" "5568044" "5569998" "5576941" "5596315" "5629610" "5705919").PN. OR ("5912552").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/21 10:42 |
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| S19 | 381 | (hysteresis OR hysteretic) SAME (control\$4 OR controll\$4 OR converter) SAME mode SAME feedback | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 12:12 |
| S20 | 583 | (hysteresis OR hysteretic) SAME mode SAME feedback | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 11:52 |
| S21 | 26 | S19 SAME (pwm OR (pulse ADJ width ADJ modulat\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 12:10 |
| S23 | 93 | S20 AND (pwm OR (pulse ADj width ADj modulat\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 12:12 |
| S24 | 93 | S23 AND (control\$4 OR controll\$4 OR converter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 12:13 |

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|-----|----|--|------------------------------|----|----|------------------|
| S25 | 94 | ("3458798" "3571697" "3579091" "3581186" "3582758" "3585491" "3733540" "3772588" "3784893" "3863128" "3879647" "3978393" "3992638" "4013939" "4035710" "4071884" "4160288" "4326245" "4395675" "4428015" "4462069" "4479174" "4493017" "4519024" "4541041" "4554499" "4578630" "4610521" "4634956" "4672303" "4672518" "4674020" "4683529" "4706177" "4709315" "4712169" "4716514" "4727308" "4754385" "4801859" "4813066" "4814684" "4819122" "4823070" "4843532" "4866587" "4870555" "4884183" "4902957" "4922404" "4928200" "4929882" "4931716" "4996638" "5028861" "5034871" "5066900" "5068575" "5081411" "5097196" "5128603" "5134355" "5138249" "5144547" "5170333" "5177676" "5179511" "5184129" "5193211" "5237606" "5309078" "5396412" "5408162" "5481178" "5548189" "6307360" "6333623").PN. OR ("6580258").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/21 12:45 |
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|-----|-------|--|---|----|-----|------------------|
| S26 | 94 | ("3458798" "3571697" "3579091" "3581186" "3582758" "3585491" "3733540" "3772588" "3784893" "3863128" "3879647" "3978393" "3992638" "4013939" "4035710" "4071884" "4160288" "4326245" "4395675" "4428015" "4462069" "4479174" "4493017" "4519024" "4541041" "4554499" "4578630" "4610521" "4634956" "4672303" "4672518" "4674020" "4683529" "4706177" "4709315" "4712169" "4716514" "4727308" "4754385" "4801859" "4813066" "4814684" "4819122" "4823070" "4843532" "4866587" "4870555" "4884183" "4902957" "4922404" "4928200" "4929882" "4931716" "4996638" "5028861" "5034871" "5066900" "5068575" "5081411" "5097196" "5128603" "5134355" "5138249" "5144547" "5170333" "5177676" "5179511" "5184129" "5193211" "5237606" "5309078" "5396412" "5408162" "5481178" "5548189" "6307360" "6333623").PN. OR ("6580258").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/21 12:47 |
| S27 | 9 | ("6043634" "6366069" "6489756" "6518738" "6577109" "6580258" "6605931" "6650556" "6674274").PN. OR ("6801026").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/21 12:49 |
| S28 | 1026 | (323/282).CCLS. | USPAT; USOCR | OR | OFF | 2005/12/21 15:08 |
| S29 | 2664 | boost ADj converter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 15:48 |
| S30 | 50948 | load ADJ current | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 15:48 |

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| S31 | 29428 | switch\$4 ADJ current | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 15:48 |
| S32 | 1 | S29 SAME S30 SAME S31 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 15:52 |
| S33 | 175 | S29 AND S30 AND S31 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 15:56 |
| S34 | 15 | S33 AND (current ADJ feedback) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 16:06 |
| S35 | 250 | S29 AND (current ADJ feedback) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 16:16 |
| S36 | 34 | S29 SAME(current ADJ feedback) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/21 16:16 |
| S37 | 2670 | boost ADj converter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/22 10:07 |
| S41 | 298 | S37 AND (overcurrent OR (over ADJ current)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/22 10:45 |

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| S42 | 124 | S41 AND (sense ADJ resistor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/22 10:45 |
| S43 | 78 | S42 and LED | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/22 10:29 |
| S44 | 221 | hystere\$4 AND (PFM or (pulse ADJ frequency ADJ modulat\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/22 15:34 |
| S45 | 125 | S44 AND (feedback OR feedback OR feedforward) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/22 15:35 |
| S46 | 106 | S45 AND MODE | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/22 15:35 |
| S47 | 53 | ("3458798" "3579091" "3582758" "4071884" "4107596" "4146832" "4309650" "4395675" "4428015" "4456872" "4479174" "4519024" "4578630" "4610521" "4634956" "4672303" "4716514" "4727308" "4801859" "4819122" "4823070" "4843532" "4884183" "4922404" "4928200" "4929882" "4931716" "5028861" "5097196" "5144547" "5170333" "5193211" "5237606" "5336985" "5396412" "5481178" "5498995" "5552695" "5565762" "5572112").PN. OR ("5949226"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/22 17:42 |

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| S48 | 50 | ("3458798" "3579091" "3582758" "4071884" "4107596" "4146832" "4309650" "4395675" "4428015" "4456872" "4479174" "4519024" "4578630" "4610521" "4634956" "4672303" "4716514" "4727308" "4801859" "4819122" "4823070" "4843532" "4884183" "4922404" "4928200" "4929882" "4931716" "5028861" "5097196" "5144547" "5170333" "5193211" "5237606" "5336985" "5396412" "5481178" "5498995" "5552695" "5565762" "5572112").PN. OR ("6157182").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/22 18:04 |
| S49 | 124 | hystere\$4 NEAR5 voltage NEAR5 mode | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/22 18:22 |
| S50 | 51 | S49 AND (PWM OR (pulse ADJ width ADj modulat\$4)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/22 18:06 |
| S51 | 8 | S49 AND (PFM OR (pulse ADJ frequency ADj modulat\$4)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/22 18:06 |
| S52 | 4228 | mode NEAR10 switch\$4 near10 count\$4 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/22 18:23 |
| S53 | 275 | mode NEAR10 switch\$4 near10 count\$4 near10 (change OR alternate) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/22 18:29 |
| S54 | 18 | mode NEAR10 switch\$4 near10 count\$4 near10 (change OR alternate) near10 cycle | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/22 18:25 |
| S55 | 2542 | mode NEAR10 switch\$4 near10 count\$4 near10 (change OR alternate OR toggle OR switch or vary) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/22 18:31 |
| S56 | 164 | mode NEAR10 switch\$4 near10 count\$4 near10 (change OR alternate OR toggle OR switch or vary) near10 cycle | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/23 08:23 |
| S57 | 569 | (323/284).CCLS. | USPAT; USOCR | OR | OFF | 2005/12/23 08:24 |
| S58 | 587 | (323/284).icls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 14:37 |

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| S59 | 468 | S58 AND (PFM OR pulse frequency modulat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 08:51 |
| S60 | 35 | S58 AND (PFM OR (pulse adj frequency ADJ modulat\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 10:25 |
| S61 | 26253 | (fixed or set or constant) NEAR5 (off OR open OR inactive) NEAR5 (time OR duration OR cycle) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 10:30 |
| S62 | 879 | S61 SAME threshold | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 10:33 |
| S63 | 293 | S62 AND feedback | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 10:33 |
| S64 | 80 | S63 and inductor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 10:34 |
| S65 | 80 | S64 and switch\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 10:54 |
| S66 | 267 | S63 and switch\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 10:34 |

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| S67 | 1935 | count\$4 NEAR5 switch\$4 NEar5 cycles | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 10:55 |
| S68 | 223 | S67 same mode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 10:55 |
| S69 | 60 | S68 AND inductor AND voltage AND current | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 11:01 |
| S70 | 5992 | count\$4 NEAR5 turn\$4 NEAR5 (on OR off) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 11:02 |
| S71 | 674 | S70 SAME mode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 11:02 |
| S72 | 264 | S70 and inductor and voltage and current | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 11:03 |
| S73 | 256 | S72 and switch\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 11:04 |
| S74 | 135 | S73 AND threshold | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 11:03 |

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| S75 | 5992 | count\$4 NEAR5 turn\$4 NEAR5 (on OR off) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 11:12 |
| S76 | 264 | S75 and inductor and voltage and current | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 11:12 |
| S77 | 256 | S76 and switch\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 11:12 |
| S78 | 34 | US-4618812-\$.DID. OR US-5350997-\$.DID. OR US-5359276-\$.DID. OR US-5552694-\$.DID. OR US-5736842-\$.DID. OR US-5798635-\$.DID. OR US-5889392-\$.DID. OR US-6204650-\$.DID. OR US-6285571-\$.DID. OR US-6292378-\$.DID. OR US-6348779-\$.DID. OR US-6356063-\$.DID. OR US-6359796-\$.DID. OR US-6429632-\$.DID. OR US-6430070-\$.DID. OR US-6459602-\$.DID. OR US-6605931-\$.DID. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 11:52 |
| S79 | 7 | S78 AND (PFM OR (pulse adj frequency)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 12:33 |
| S80 | 1 | ("6163143").PN. | USPAT; USOCR | OR | OFF | 2005/12/23 13:03 |
| S81 | 2757 | pfm or (pulse adj frequency adj modulat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 13:04 |

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| S82 | 11 | S81 SAME (fixed adj (off or time)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 13:07 |
| S83 | 11 | S81 SAME (fixed adj (on or off or time)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 13:07 |
| S84 | 253 | current near10 feedback near10 switch\$4 near10 cycle | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 14:38 |
| S85 | 10 | S84 and (pfm or (pulse adj frequency)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 14:45 |
| S86 | 0 | S84 NEAR10 COUNT | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 14:46 |
| S87 | 95753 | SWITCH\$4 near10 count\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 14:47 |
| S88 | 433 | S87 and (current adj feedback) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 14:48 |
| S89 | 170 | S88 and inductor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/23 15:28 |
| S90 | 1 | ("6433525").PN. | USPAT; USOCR | OR | OFF | 2005/12/23 15:35 |
| S91 | 1 | ("6204650").PN. | USPAT; USOCR | OR | OFF | 2005/12/27 07:20 |